

**CLAIMS:**

1. A vehicle headlight with a reflector housing (1, 21) and a front glass (22) which together enclose a headlight inner space, and with a reference surface (15, 35) for defining the position of a lamp (7, 30) having a lamp body (8, 31) and a lamp base (9, 37) inside the headlight, wherein the headlight is constructed such that the lamp (7, 30) can be inserted such that the lamp base (9, 37) is positioned in front of the lamp body (8, 31), when viewed against the radiation direction of the headlight.  
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2. A vehicle headlight as claimed in claim 1 for a lamp (7, 30) with an electronic circuit integrated in the lamp base (9, 37), characterized in that electrical supply lines (4) for supplying the electronic circuit are provided and are passed alongside the lamp body (8, 31) of an inserted lamp (7, 30) such that said lines screen the lamp (7, 30) against electromagnetic interference radiation issuing therefrom.  
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3. A vehicle headlight as claimed in claim 2, characterized in that at least three supply lines (4) extend parallel to a longitudinal axis (a) of the lamp body (8, 31) and are arranged in a stellar arrangement around the longitudinal axis (a) of the lamp body (8, 31) at substantially equal angular distances to one another.  
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4. A vehicle headlight as claimed in one of the claims 2 and 3, characterized in that the supply lines (4) are fixedly connected to the reflector housing (1, 21) and form a holder (2) for the lamp (7, 30) in the reflector housing (1, 21) with a reference surface (15, 35).  
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5. A vehicle headlight as claimed in claim 4, characterized in that the supply lines (4) are electrically connected at their front ends, as seen in the radiation direction, to contacts (5) for contacting the lamp's electronic circuit, and in that the supply lines (4) are mechanically interconnected at said ends by means of a ring (3), which ring (3) represents the reference surface (15, 35) for the lamp (7, 30) in the headlight inner space.  
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6. A vehicle headlight as claimed in any one of the claims 2 to 5, comprising contacts (5) of the supply lines (4), characterized in that a mechanical locking of the lamp (7, 30) is provided in the reflector housing (1, 21), and in that contacts (5, 12) between the 5 supply lines (4) and the electronic circuit are closed simultaneously with the locking action.

7. A vehicle headlight with a reference surface (58) in a reflector housing (57) for defining the position of a lamp (50) with a lamp body (51) in the headlight, wherein the lamp (50) comprises a lamp body holder (52) and a lamp socket (54), and the lamp (50) and 10 the headlight are designed such that the lamp (50) can be inserted such that the lamp body holder (52) is arranged in front of the lamp body (51), when viewed against the radiation direction of the headlight, and the lamp socket (54) is arranged behind the lamp body (51) against the reference surface (58).

15 8. A vehicle headlight, in particular as claimed in any one of the claims 1 to 7, characterized in that it is designed such that a lamp (7, 30) with an electronic circuit can be inserted from the front into the reflector housing (21) after removal of the front glass (22).

9. A vehicle lamp (7, 30, 50) comprising a lamp body (8, 31, 51), a lamp base (9, 20 37), a radiation screen, and an electronic circuit for operating the lamp (7, 30, 50), wherein the electronic circuit is arranged in the region of the radiation screen.

10. A vehicle lamp as claimed in claim 8, characterized in that electrical supply 25 lines for supplying the electronic circuit are arranged at or in the lamp body such that they screen off the lamp body (8, 31, 51) against electromagnetic interference radiation issuing therefrom.

11. A vehicle lamp as claimed in claim 8 or 9, characterized in that the lamp base 30 (9, 37) is arranged in the region of the radiation screen or serves as a radiation screen.

12. A vehicle lamp as claimed in claim 8 or 9, characterized in that the lamp base comprises a lamp body holder (52) and a lamp socket (54), and in that only the lamp body 35 holder (52) is arranged in the region of the radiation screen.

13. A headlight system comprising a vehicle headlight as claimed in any one of the claims 1 to 8 and a vehicle lamp as claimed in any one of the claims 9 to 12.

14. The use of an electronic component and/or a lamp base (9, 37) of a vehicle lamp (7, 30), which is designed for use in a vehicle headlight, as a radiation screen arranged in front of a lamp body (8, 31) of the lamp (7, 30), as viewed against the radiation direction of the headlight.

15. A method of exchanging a motor vehicle lamp (7, 30) arranged in a lampholder (2, 24) inside a headlight housing (21, 22), which headlight housing (21, 22) comprises a front glass (22) arranged at the front, which front glass (22) encloses a space in conjunction with a reflector housing (21) arranged behind said glass, in which method the front glass (22) is removed, a lamp with its electronic circuit arranged in the space is removed from its lampholder (24), a new, similar lamp is inserted into the lampholder (24), and the space is closed again by means of the front glass (22).